



Amendments to the Specification

Please replace the paragraph beginning at page 8, line 8, and ending at page 8, line 14, with the following amended paragraph:

- 1) SEQ ID NO:2
- 2) gi|20480454|ref|XP_167747.1| (XM_167747) (SEQ ID NO:16 ~~SEQ ID NO:17~~)
- 3) gi|12697941|dbj|BAB21789.1| (AB051485) (SEQ ID NO:17 ~~SEQ ID NO:18~~)
- 4) gi|20380408|gb|AAH28025.1| (BC028025) (SEQ ID NO:18 ~~SEQ ID NO:19~~)
- 5) gi|20849521|ref|XP_144111.1| (XM_144111) (SEQ ID NO:19 ~~SEQ ID NO:20~~)
- 6) gi|21296297|gb|EAA08442.1| (AAAB01008879) (SEQ ID NO:20 ~~SEQ ID NO:21~~)

Please replace the paragraph beginning at page 11, line 31, and ending at page 11, line 32, with the following amended paragraph:

Residues 1-170 of SEQ ID NO:2 are referred to herein as SEQ ID NO:15 ~~SEQ ID NO:16~~. The fragment of SEQ ID NO:16 ~~SEQ ID NO:17~~ that includes amino acids 1-27 is referred to herein as SEQ ID NO:21 ~~SEQ ID NO:22~~.

Please replace the paragraph beginning at page 61, line 5, and ending at page 61, line 20, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLTGEEEDAEAFLLQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRRERLRHRVVGAVIDQGLITRHHLLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLLRSLPPARAALDHLRGVDFESVRAHLAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRA TRTLMDIYVQCLSALIGSCPDACVDA
LLDTSVQHSPhFDWVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPPFGSPAIPA EKRVPKIASVVGILGHLASRHGDSIRRELLRMFHD SLAGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKLV
HHRGGSPGEGVLGPPPPRLVPFLDALKNHV GELCGETRLRLERKFLWQHQLLGLLSVY
TRPSCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCALARVHAGTLQPP
FTARFLRNALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLLHPEEEVAEAAASL
LAICFPFSEALSPSPLLGLVRAGVHRFFASRLRHGPPGVASACQLLTRLSQTSPAGLKAV
LQLLVEGALHRGNTELFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGIWS
VFHAGVIGRGLKPPKFVQSRNQEQEVIYNTQSLLSLLVHCCSAPGGTECGECWGAPILSPE
AAKAVAVTLVESVCPDAAGAEALAWPPEEHARATVERDLRIGRRFREQLLFELLKLVA

APPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLPPAL
GNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGPH
LAVLHSVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:3 ~~SEQ ID NO:4~~)

Please replace the paragraph beginning at page 61, line 26, and ending at page 61, line 41, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLTDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRRRLRHRVVGAVIDQGLITRHHLLKKRAAQELSQEI
KAFLTGVDPILGHNLAREHARCGLLLLRLSLPPARAAVLDHLRGVDFESVRAHLAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCP DACVDA
LLDTSVQHSPHFDWVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPPFGSPAIPA EKRVPKIASVVGILGHLASRHGDSIRRELLRMFHDSL AGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKLV
HHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETLRLEKRFLLWQHQLLGLLSVY
TRPSCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCLARVHAGTLQPP
FTARFLRNALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPEEEVAEAAAASL
LAICFPFSEALSPSPLLGLVRAGVHRFFASRLRHGPPGVASACQLLTRLSQTSPAGLKAV
LQLLVEGALHRGNTELFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGIWS
VFHAGVIGRGLKPPKFVQSRNQEQVIYNTQSLLSLLVHCCSAPGGTECGECWGAPILSPE
AAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQPLLFELLKLVA
APPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLPPAL
GNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGPH
LAVLHSVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO: 4 ~~SEQ ID NO:5~~)

Please replace the paragraph beginning at page 62, line 5, and ending at page 62, line 20, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLTDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRRRLRHRVVGAVIDQGLITRHHLLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLLRLSLPPARAAVLDHLRGVDFESVRAHLAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVIGAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCP DACVDA
LLDTSVQHSPHFDWVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPPFGSPAIPA EKRVPKIASVVGILGHLASRHGDSIRRELLRMFHDSL AGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKLV
HHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETLRLEKRFLLWQHQLLGLLSVY

TRPSCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCCLARVHAGTLQPP
FTARFLRNLALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPEEEVAEAAAASL
LAICFPFSEALSPSOLLGLVRAGVHRFFASLRLHGPPGVASACQLLTRLSQTSPAGLKAV
LQLLVEGALHRGNTELFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGIWS
VFHAGVIGRGLKPPKFVQSRNQEQVIYNTQSLLSLLVHCCSAPGGTECGECWGAPILSPE
AAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQPLLFELLKLVA
APPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLPPAL
GNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGPH
LAVLHSLVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:5 SEQ ID NO:6)

Please replace the paragraph beginning at page 62, line 27, and ending at page 62, line 42, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLTDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRRRLRHRVVGAVIDQGLITRHLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLLRSLPPARAAVLDHLRGVDFDESVAHLAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRA TRTLMDIYVQCLSALIGSCP DACVDA
LLDTSVQHSPRFDWVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPFPGSPAIPA EKRVPKIASVVGILGHLASRHGDSIRRELLRMFHD SLAGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGT VSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKL
VHHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETLRLEKRFLLWQHQLLGLLSVY
TRPSCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCCLARVHAGTLQPP
FTARFLRNLALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPEEEVAEAAAASL
LAICFPFSEALSPSOLLGLVRAGVHRFFASLRLHGPPGVASACQLLTRLSQTSPAGLKAV
LQLLVEGALHRGNTELFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGIWS
VFHAGVIGRGLKPPKFVQSRNQEQVIYNTQSLLSLLVHCCSAPGGTECGECWGAPILSPE
AAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQPLLFELLKLVA
APPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLPPAL
GNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGPH
LAVLHSLVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:6 SEQ ID NO:7)

Please replace the paragraph beginning at page 63, line 5, and ending at page 63, line 20, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLTDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRRRLRHRVVGAVIDQGLITRHLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLLRSLPPARAAVLDHLRGVDFDESVAHLAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG

QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCPDACVDA
LLDTSVQHSPHFDWVVAHIGSSFPGTHSRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPPFGSPAIPAERKVPKIASVVGILGHLASRHGDSIRRELLRMFHDSLAGGSGGRSGDP
SLQATMPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNL
AVHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKL
VHHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETLRLEKRFLLWQHQLLGLLSV
YTRPCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCALARVHAGTLQP
PFTARFLRNLALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPHEEEVAEAAAS
LLAICFPFSEALSPSOLLGLVRAGVHRFFASRLHGPPGVASACQLLTRLSQTSPAGLKA
VLQLLVEGALHRGNTELFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGI
WSVFHAGVIGRGLKPPKFVQSRNQEQVIYNTQSLLSLLVHCCSAPGGTECGECWGAPIL
SPEAAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQLLFELLKL
VAAAPPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLP
PALGNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEG
GPHLAVLHSLVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:7 SEQ ID NO:8)

Please replace the paragraph beginning at page 63, line 26, and ending at page 63, line 41, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHPHEELLLTDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRERRLRHRVVGAVIDQGLITRHHLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLRLSLPPARAAVLDHLRGVFDESVRHLAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCPDACVDA
LLDTSVQHSPHFDWVVAHIGSSFPGTHSRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPPFGSPAIPAERKVPKIASVVGILGHLASRHGDSIRRELLRMFHDSLAGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDYAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKL
HHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETLRLEKRFLLWQHQLLGLLSVY
TRPCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCALARVHAGTLQPP
FTARFLRNLALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPHEEEVAEAAASL
LAICFPFSEALSPSOLLGLVRAGVHRFFASRLHGPPGVASACQLLTRLSQTSPAGLKAV
LQLLVEGALHRGNTELFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGIWS
VFHAGVIGRGLKPPKFVQSRNQEQVIYNTQSLLSLLVHCCSAPGGTECGECWGAPILSPE
AAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQLLFELLKLVA
APPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLPPAL
GNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGPH
LAVLHSLVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:8 SEQ ID NO:9)

Please replace the paragraph beginning at page 64, line 4, and ending at page 64, line 19, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLTDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRERRLRHRVVGAVIDQGLITRHHLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLLRLSLPPARAAVLDHLRGVDFDESVR AHLAALDE
TPVAGPPHLRPPPPSHVPAGGGPLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCPDACVDA
LLDTSVQHSPHFDWVVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPFPGSPAIPA EKRVPKIASVVGILGHLASRHGDSIRRELLRMFHDSL AGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKLV
HHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETLRLEKRFLLWQHQLLGLLSVY
TRPSCGPEALPHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCALARVHAGTLQPPF
TARFLRNALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPEEEVAEAAASLL
AICFPFSEALSPSOLLGLVRAGVHRFFASLRLHGPPGVASACQLLTRLSQTSPAGLKAVL
QLLVEGALHRGNTELFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGIWS
VFHAGVIGRGLKPPKFVQSRNQEQEVIYNTQSLLSLLVHCCSAPGGTECGECWGAPILSPE
AAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQLLFELLKLVA
APPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLPPAL
GNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGPH
LAVLHSLVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:9 ~~SEQ ID NO:10~~)

Please replace the paragraph beginning at page 64, line 25, and ending at page 64, line 40, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLTDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRERRLRHRVVGAVIDQGLITRHHLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLLRLSLPPARAAVLDHLRGVDFDESVR AHLAALDE
TPVAGPPHLRPPPPSHVPAGGGPLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCPDACVDA
LLDTSVQHSPHFDWVVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPFPGSPAIPA EKRVPKIASVVGILGHLASRHGDSIRRELLRMFHDSL AGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKLV
HHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETLRLEKRFLLWQHQLLGLLSVY
TRPSCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCALARVHAGTLQPP
FTARFLRNALLVGWEQQGGDGPAALGAHFGESASAHLSDLAPLLHPEEEVAEAAAS
LLAICFPFSEALSPSOLLGLVRAGVHRFFASLRLHGPPGVASACQLLTRLSQTSPAGLKA
VLQLLVEGALHRGNTELFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGI
WSVFHAGVIGRGLKPPKFVQSRNQEQEVIYNTQSLLSLLVHCCSAPGGTECGECWGAPIL
SPEAAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQLLFELLKL
VAAAPPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLP
PALGNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEG
GPHLAVLHSLVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:10 ~~SEQ ID NO:11~~)

Please replace the paragraph beginning at page 65, line 4, and ending at page 65, line 19, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRERRLRHRVVGAVIDQGLITRHHLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLRLSLPPARAAVLDHLRGVFDESVRHAAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCP DACVDA
LLDTSVQHSPHFDWVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPPFGSPAIPAERKRVPKIASVVGILGHLASRHGDSIRRELLRMFHDSL AGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKLV
HHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETRLRLERKRFLWQHQLLGLLSVY
TRPSCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCALARVHAGTLQPP
FTARFLRNLALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPEEEVAEAAAASL
LAICFPSEALSPSPLLGLVRAGVHRFFASRLRHGPPGVASACQLLTRLSQTSPAGLKAV
LQLLVEGALHRGNTELFGGQVDGDNEALS SVVSASLASASLLDTNRRHTAAVPGPGGIW
SVFHAGVIGRGLKPPKFVQSRNQQEVYNTQSLLSLVHCCSAPGGTECGECWGAPILSP
EAAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQLLFELLKLVA
AAPPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLPPA
LGNMHEVFSQLAPFEVRLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGP
HLAVLHSVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:11 ~~SEQ ID NO:12~~)

Please replace the paragraph beginning at page 65, line 26, and ending at page 65, line 41, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRERRLRHRVVGAVIDQGLITRHHLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLRLSLPPARAAVLDHLRGVFDESVRHAAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCP DACVDA
LLDTSVQHSPHFDWVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPPFGSPAIPAERKRVPKIASVVGILGHLASRHGDSIRRELLRMFHDSL AGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKLV
HHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETRLRLERKRFLWQHQLLGLLSVY
TRPSCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSCALARVHAGTLQPP
FTARFLRNLALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPEEEVAEAAAASL
LAICFPSEALSPSPLLGLVRAGVHRFFASRLRHGPPGVASACQLLTRLSQTSPAGLKAV

LQLLVEGALHRGNTLFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGIWS
VFHAGVIGRGLKPPKFVQSRNQEQEVIYNTQSLLSLLVHCCSAPGGTECGECWGAPILSPE
AAKAVAVTLVESVCPDAAGAELAHPPEEHARATVERDLRIGRRFREQPLLFECLKLVAA
APPALCYCSVLLRGLLAALLGHWEASRHPDTHSPWHLEASCTLVAVMAEGSLLPPAL
GNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGPH
LAVLHSLVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:12 ~~SEQ ID NO:13~~)

Please replace the paragraph beginning at page 66, line 5, and ending at page 66, line 20, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLTDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRRRLRHRVVGAVIDQGLITRHHLLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLLRSLPPARAAVLDHLRGVDFDESVRHLAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCP DACVDA
LLDTSVQHSPHFDWVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPPFGSPAIPAERKVPKIASVVGILGHLASRHGDSIRRELLRMFHDSL AGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA
VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKLV
HHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETLRLEKRFLLWQHQLLGLLSVY
TRPSCGPEALGHLLSRARSPEELSLATQLYAGLVVLSGLLPLAFRSCARVHAGTLQPP
FTARFLRNALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPEEEVAEAAASL
LAICFPFSEALSPSPLLGLVRAGVHRFFASRLRHGPPGVASACQLLTRLSQTSPAGLKAV
LQLLVEGALHRGNTLFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGIWS
VFHAGVIGRGLKPPKFVQSRNQEQEVIYNTQSLLSLLVHCCSAPGGTECGECWGAPILSPE
AAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQPLLFECLKLVAA
APPALCYCSVLLRGLLAALLGHWEASRHTDTHSPWHLEASCTLVAVMAEGSLLPPAL
GNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGPH
LAVLHSLVLRNIDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:13 ~~SEQ ID NO:14~~)

Please replace the paragraph beginning at page 66, line 27, and ending at page 66, line 42, with the following amended paragraph:

MALVPGRSKEDGLWTRNSPGSSQHPESPRLPNPLWDRGKIGKVEGHQHIQDFSQKSHLP
SIVVESSEVNEESGDLHLPHEELLLLTDGEEEDAEAFFQDQSEEPGAARPHHQARQVEHS
TQRGHLEIRELKKKLFKRRRVLNRRRLRHRVVGAVIDQGLITRHHLLKKRAAQELSQEI
KAFLTGVDPILGHQLSAREHARCGLLLLRSLPPARAAVLDHLRGVDFDESVRHLAALDE
TPVAGPPHLRPPPPSHVPAGGPGLEDVVQEVQQVLSEFIRANPKAWAPVISAWSIDLMG
QLSSTYSGQHQRVPHATGALNELLQLWMGCRATRTLMDIYVQCLSALIGSCP DACVDA
LLDTSVQHSPHFDWVVAHIGSSFPGTIISRVLSCGLKDFCVHGGAGGGAGSSGGSSSQTP
STDPPFGSPAIPAERKVPKIASVVGILGHLASRHGDSIRRELLRMFHDSL AGGSGGRSGDP
SLQATVPFLLQLAVMSPALLGTVSGELVDCLKPPAVLSQLQQHLQGFPREELDNMLNLA

VHLVSQASGAGAYRLLQFLVDTAMPASVITTQGLAVPDTVREACDRLIQLLLLHLQKLV
HHRGGSPGEGVLGPPPPRLVPFLDALKNHVGELCGETLRLEKRFQWQHQLLGLLSVY
TRPSCGPEALGHLLSRARSPEELSLATQLYAGLVVSLSGLLPLAFRSLARVHAGTLQPP
FTARFLRNLALLVGWEQQGGEGPAALGAHFGESASAHLSDLAPLLHPEEEVAEAAASL
LAICFPFSEALSPSOLLGLVRAGVHRFFASLRLHGPPGVASACQLLTRLSQTSPAGLKAV
LQLLVEGALHRGNTELFGGQVDGDNETLSVVSASLASASLLDTNRRHTAAVPGPGGIWS
VFHAGVIGRGLKPPKFVQSRNQEVYNTQSLLSLLVHCCSAPGGTECGECWGAPILSPE
AAKAVAVTLVESVCPDAAGAELAWPPEEHARATVERDLRIGRRFREQPLLFELLKLVA
APPALCYCSVLLRGLLAALLGHWEASRHTDTTHSPWHLEASCTLVAVMAEGSLLPPAL
GNMHEVFSQLAPFEVRLLLLSVWGFLREHGPLPQKFIFQSERGRFIRDFSREGGGEGGPH
LAVLHSVLRNLDRLGLFSGRFQAPSPSTLLRQGT (SEQ ID NO:14 ~~SEQ ID NO:15~~)